1st QUARTER 1977 RESURVEY REPORT OF SUBSIDENCE SURVEY JACKPILE MINE LAGUNA, NEW MEXICO

April 8, 1977

Confidential Claim Retracted

Authorized by:

PREPARED BY

Date: C/AC/13

MARMON ENGINEERING SURVEYS

LAGUNA, NEW HEXICO

AMACONDA	SUBSTDENCE	CIMUTEA
ANALUMUA	PURPLINER	SHRVET

Jackpile Mine, Laguna, New Mexico

April 8, 1977

		DELTA II	NITIAL SURVE	Ϋ́		
Station	North	East	N	E	Elevation	Delta Initial Survey
_ 1N	1.001.855.895	990-225-710	+0.087		6281-602-	
2N	1.001.87/.463	990,128.164	+0.080	-0.049	6288.515	-0.035
3N	1,001,899.020	990,030.608	+0.025	-0.010	6293.540	-0.057
AN	1,001,921,680	989,933,221	-0.041	-0.110	6303,724	-0.055
5N	1,001,941.993	989,835.641	+0.044	-0.012	6315.585	-0.094
6N	1,001,963.522	989.738.056	-0.041	+0.039	6313.775	-0.042
. 7N	1,001,984,998	989_640_851	-0.050	+0.034	6325, 209	0_045
BN	1.002.006.638	989.543.120	+0.064	-0.095	6333,134	+0.017
ሃለ	1.002.029.264	989.446.049	-0.008	+0.069	6346.811	+0.004
10N	1,002,057,918	289, 350, 322	+0.014	-0-011	6356_628	+0.009
129	1,001,883.669	989,413.305	+0.017	-0.008	6355.781	-0.009
135	1,001.860.519	989.510.563	+0.002	-0.006	6349.488	+0.001
145	1,001,838,892	989-608-146	-0.072	-0.010	6349.081	+0.015
155	1,001,817,401	989,705,598	-0.061	+0.017	6329.345	-0.037
165	1,001,795,912	989.803.007	+0.007	-0.056	6319.246	-0.033
178	1,001,774,526	989.900.524	+0.063	-0.072	6317.509	-0.013
198	1,001.731.325	990,095,743	-0.022	+0.089	6303.919	-0.005
205	1,001.709.921	990,193.161	+0.104	-0.062	6297.442	+0.006
21E	1,002,413,860	988.801.641	-0.055	+0.009	6374-504	-0.048
22L	1.002,488.029	988,735,140	-0.040	-0.031	6374.371	-0.040
23h.	1,002.567.946	988.675.110	-0.024	+0.008	63/2,258	-0.020
. 25E	1,002,739,814	988.573.37/	-0.018	+0.058	6375-045	-0.019
26E	1,002,831.028	988,532.272	+0.006	+0.056	6375.331	-0.013
27E	1.002.925.978	988,498.760	+0.010	+0.055	6362.641	-0.027
28W	1,002,820.788	988.322.325	+0.044	+0.027	6382-067	-0.027
29W	1.002.727.726	988.358.822	+0.054	+0.002	6389.719	+0.012
30W	1.002.637.284	988.401.344	+0.013	+0.002	6396.288	+0.012
31W	1,002,549,642	988.449.396	-0.004	-0.028	6370.286	+0.015 +0-014
- 32W	1.002.465.349	988.503.130	+0.027	-0.002	6396.568	+0.004
33W	1.002.384.638	988.562.112	-0.043	-0.002	6397.537	
34W	1.002.307.950	988.626.170	-0.043	-0.026	6395.122	+0.006
	. THINKE SAVETSA	700.020.170		005	0375-122	80 0. 0+

CONFIDENTIAL

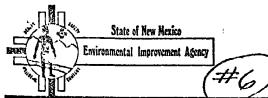
POL-EPA01-0005604

under my supervision and that the same is true and correct to the best of my knowledge and belief. $\,$

Jerry Nickels, Registered Land Surveyor, Certificate No. 6256



April 8, 1977



BACTERIOLOGICAL WATER REPORT

Town JACK PILE Code . County VALENCIA Code . 32-W	Date Received Lab No.
Town JACK PILE Code County VALENCIA Code . 32-W Date Collected 2/7/77 9:50 Collected By J. REYNOLDS	12:30
Location No. Chlorinated YES NO Residual	RESULTS OF TESTS FOR COLIFORM GROUP
	Presumption Confirmed Completed
Owner of System ANACONDA CONT PANY PH	24 48 24 48
Collection Point JACKPILE - NEW SHOP WELL	Volume Hours Hours Hours
PUBLIC SEMI-PUBLIC PRIVATE X SWIMMING POOL W.P.C. SPECIAL	10 ml.
Stream/Lake Name	10 mi.
Sewage/Industrial Plant Name	10 ml.
RIVER BASIN: RIO GRANDE A PECOS D SAN JUAN D GILA D CANADIAN D	10 ml.
LITTLE COLORADO OTHER	10 ml.
SANITARY SURVEY COMPLETED- YES NO []	CONFORMS DOES NOT CONFORM D
CHECK TEST REQUIRED: POTABILITY; COLIFORM GROUP, MEMBRANE FILTER	WITH DRINKING WATER STANDARDS
STANDARD PLATE COUNT ☐ FECAL COLIFORM ☐ FECAL STREPTOCOCCI ☐	Collform Calonies (MF)/100 ML.
Re-Sample No, Other	Standard Plate Count, 35°c/ML.
	Fecal Coliform (MF)/100 ML.
	Fecal Streptococci (MF)/100 ML
SEND REPORT TO THE FOLLOWING (NAME & ADDRESS)	
MR TED BECK-MGR.	Other
ANACONDA COMPANY	
P.O. BOX 638 GRANTS, N.M. 87020	1 - 1 - A/4 - A/4
GRANTS, N.M. 87020	Date Reported
4. No sample shall be accepted until a sanitary survey by a representative of the Environmental I RECEIVED (over 1977) (Over 1977)	* 64201
State of New Mexico	•
Eavironmental Improvement Agency BACTERIOLOGICAL	
Environmental Improvement Agency BACTERIOLOGICAL Town JACK PILE Code **	WATER REPORT
Eavironmental Improvement Agency BACTERIOLOGICAL Town JACK PILE Code * County VALENCIA Code * 32-W Data Collected . 2/7/779:45 collected by J. REYNOLOS	WATER REPORT Date Received Lab No.
Environmental Improvement Agency BACTERIOLOGICAL Town AK PILE Code * County VALENCIA code *32-NV Date Collected 2/7/77945 collected By J. REYNOLOS Location No. Chiorinated YES NO Besidual	WATER REPORT Date Recoived Lab No. 12:30
Environmental Improvement Agency Environmental Improvement Agency BACTERIOLOGICAL Town AKPILE Code * County VALENCIA code *32-W Date Collected . 2/7/779:45 collected By J. REYNOLOS Location No. Chiorinated YES NO Residual Owner of System ANACONOA COMPANY PH	WATER REPORT 2/1/7 288/ Date Recoived Lab No. /2:30 RESULTS OF TESTS FOR COLIFORM GROUP Presumption Confirmed Completed 24 48 24 48
Environmental Improvement Agency Environmental Improvement Agency BACTERIOLOGICAL Town ACK PILE Code *County VALENCIA code *32-W Date Collected . 2/7/779:45 collected By J. REYNOLOS Location NoChlorinated YES No Residual Owner of System ANACONDA COMPANY pH Collection Point JACK PILE P-10	WATER REPORT 2/1/17 288/ Date Recoived Lab No. 12:30 RESULTS OF TESTS FOR COLIFORM GROUP Presumption Confirmed Completed
Environmental Improvement Agency Environmental Improvement Agency BACTERIOLOGICAL Town ACK PILE Code * County VALENCIA Code *32-W Date Collected . 2/7/779:45-collected By J. REYNOLOS Location No. Chiorinated YES No Residual Owner of System ANACONOA COMPANY PUBLIC SEMI-PUBLIC PRIVATE SWIMMING POOL W.P.C. SPECIAL O	WATER REPORT 2/1/7 288/ Date Recoived Lab No. /2:30 RESULTS OF TESTS FOR COLIFORM GROUP Presumption Confirmed Completed 24 48 24 48
Environmental Improvement Agency Environmental Improvement Agency BACTERIOLOGICAL Town ACK PILE Code *County VALENCIA code *32-W Date Collected . 2/7/779:45 collected By J. REYNOLOS Location NoChlorinated YES No Residual Owner of System ANACONDA COMPANY pH Collection Point JACK PILE P-10	WATER REPORT 2/1/17 288/ Date Recoived Lab No. 12:30 RESULTS OF TESTS FOR COLIFORM GROUP Presumption Confirmed Completed Volume Hours Hours Hours Hours Hours
Environmental Improvement Agency Environmental Improvement Agency Town ACK PILE Code * County VALENCIA code *32-W Date Collected . 2/7/77945 collected By J. REYNOLOS Location No. Chiorinated YES No Residual Owner of System ANACONOA COMPANY PUBLIC SEMI-PUBLIC PRIVATE SWIMMING POOL W.P.C. SPECIAL Stream/Lake Name Sewage/Industrial Plant Name	WATER REPORT 2/1/17 288/ Date Recoived Lab No. 12:30 RESULTS OF TESTS FOR COLIFORM GROUP Presumption Confirmed Completed Volume Hours Hours Hours Hours Hours 10 mt.
Environmental Improvement Agency Environmental Improvement Agency BACTERIOLOGICAL Town ACK PILE Code * County VALENCIA code *32-W Date Collected . 2/7/779:45 collected By T. REYNOLOS Location No. Chlorinated YES NO Residual Owner of System ANACONDA COMPANY PH Collection Point THICK PILE P-10 PUBLIC SEMI-PUBLIC PRIVATE SWIMMING POOL W.P.C. SPECIAL STREAM/Lake Name	WATER REPORT 2/1/77 288/ Date Received Lab' No. 2/30 RESULTS OF TESTS FOR COLIFORM GROUP Presumption Confirmed Completed Volume Hours Hours Hours Hours 10 ml. 10 ml.
Environmental Improvement Agency Environmental Improvement Agency Town ACK PILE Code * County VALENCIA code *32-W Date Collected . 2/7/77945 collected By J. REYNOLOS Location No. Chiorinated YES No Residual Owner of System ANACONOA COMPANY PUBLIC SEMI-PUBLIC PRIVATE SWIMMING POOL W.P.C. SPECIAL Stream/Lake Name Sewage/Industrial Plant Name	WATER REPORT 2/1/7 288/ Date Recoived Lab No. /2:30 RESULTS OF TESTS FOR COLIFORM GROUP Presumption Confirmed Completed Volume Hours Hours Hours Hours 10 mt. 10 mt. 10 mt.
Environmental Improvement Agency Environmental Improvement Agency BACTERIOLOGICAL Town JACK PILE Code * County VALENCIA code *32-W Date Collected . 2/7/779:45 collected By J. PEYNOLOS Location No. Chlorinated YES NO Residual Owner of System ANACONDA COMPHNY pH Collection Point JACK PILE P-10 PUBLIC SEMI-PUBLIC PRIVATE SWIMMING POOL W.P.C. SPECIAL STREAM/Lake Name Sewage/Industrial Plant Name River Basin: RIO GRANDE PECOS SAN JUAN GILA CANADIAN C	WATER REPORT Date Received Lab No.
Environmental Improvement Agency Environmental Improvement Agency #5 Code	WATER REPORT Date Recoived Lab No. 12:30
Environmental Improvement Agency Environmental Improvement Agency Environmental Improvement Agency Environmental Improvement Agency #5 Code	WATER REPORT 2/1/17 288/ Date Recoived Lab No. /2:30
Environmental Improvement Agency Environmental Improvement Agency BACTERIOLOGICAL Town AKPILE Code *	WATER REPORT 2/1/7/ 288/ Date Recoived Lab No.
Environmental Improvement Agency Environmental Improvement Agency Environmental Improvement Agency Environmental Improvement Agency #5 Code	WATER REPORT 2/1/7/ 288/ Date Recoived Lab No. 12:30 RESULTS OF TESTS FOR COLIFORM GROUP Presumption Confirmed Completed Volume Hours Hours Hours Hours 10 ml. 10 ml. 10 ml. 10 ml. 10 ml. 10 ml. CONFORMS DOES NOT CONFORM WITH DRINKING WATER STANDARDS Colliorm Colonies (MF)
Environmental Improvement Agency Town AKPILE Code ** County ALENCIA Code *32-W Date Collected 2/7/77945 collected By J. PEYNOLOS Location No. Chlorinated Yes No Residual Owner of System ANACONDA COMPANY PH Collection Point JACK PILE P-10 PUBLIC SEMI-PUBLIC PRIVATE SWIMMING POOL W.P.C. SPECIAL Stream/Lake Name Sewage/Industrial Plant Name River Basin: RIO GRANDE PECOS SAN JUAN GILA CANADIAN LITTLE COLORADO OTHER SANITARY SURVEY COMPLETED YES NO CHECK TEST REQUIRED: POTABILITY: COLIFORM GROUP, MEMBRANE PILTER STANDARD PLATE COUNT FECAL COLIFORM PECAL STREPTOCOCCI	WATER REPORT 2/1/17 288 Date Recoived Lab No.
Town JACK PILE Code s County VALENCIA Code 32-W Date Collected 2/7 / 7 7945 collected By PEYNOLOS Location No Chiorinated YES NO Residual Owner of System ANACONDA COMPANY pH Collection Point FILE P - 10 PUBLIC SEMI-PUBLIC PRIVATE SWIMMING POOL W.P.C. SPECIAL Stream/Lake Name Sewage/Industrial Plant Name River Basin: RIO GRANDE PECOS SAN JUAN GILA CANADIAN LITTLE COLORADO OTHER SANITARY SURVEY COMPLETED YES NO CHECK TEST REQUIRED; POTABILITY; COLIFORM GROUP, MEMBRANE FILTER STANDARD PLATE COUNT FECAL COLIFORM PECAL STREPTOCOCCI Re-Sample No Other	WATER REPORT 2/1/17 288/ Date Recoived Lab No. /2:30
Environmental Improvement Agency Town AKPILE Code ** County ALENCIA Code *32-W Date Collected 2/7/77945 collected By J. PEYNOLOS Location No. Chlorinated Yes No Residual Owner of System ANACONDA COMPANY PH Collection Point JACK PILE P-10 PUBLIC SEMI-PUBLIC PRIVATE SWIMMING POOL W.P.C. SPECIAL Stream/Lake Name Sewage/Industrial Plant Name River Basin: RIO GRANDE PECOS SAN JUAN GILA CANADIAN LITTLE COLORADO OTHER SANITARY SURVEY COMPLETED YES NO CHECK TEST REQUIRED: POTABILITY: COLIFORM GROUP, MEMBRANE PILTER STANDARD PLATE COUNT FECAL COLIFORM PECAL STREPTOCOCCI	WATER REPORT 2/1/17 288 Date Recoived Lab No.
Enironmental Improvement Agency Town AKPILE Code * County ALENCIA Code *32-W Date Collected. 2/7/779450lected By T. PEYNOLOS Location No. Chlorinated YES NO Residual Owner of System ANACONDA COMPANY PH Collection Point FACKPILE P-10 Stream/Lake Name Sewage/Industrial Plant Name River Basin: RIO GRANDE PECOS SAN JUAN GILA CANADIAN CHECK TEST REQUIRED: POTABILITY: COLIFORM GROUP, MEMBRANE FILTER STANDARD PLATE COUNT FECAL COLIFORM FECAL STREPTOCOCCI Re-Sample No. Other SEND REPORT TO THE FOLLOWING (NAME & ADDRESS) MR TEO BECK - MANAGER ANACONDA COMPANY	WATER REPORT 2/1/17 288/ Date Recoived Lab No. /2:30
Environmental Improvement Agency Environmental Improvement Agency	WATER REPORT 2/1/17 288
Enironmental Improvement Agency Enironmental Improvement Agency Town JACK PILE Code * County ALENCIA Code *32-W Date Collected 2/7/7794 Collected By J. REYNOLOS Location No. Chlorinated YES No Residual Owner of System ANACONDA COMPANY pH Collection Point JACK PILE P-10 PUBLIC SEMI-PUBLIC PRIVATE SWIMMING POOL W.P.C. SPECIAL STREAM/Lake Name Sewage/Industrial Plant Name River Basin: RIO GRANDE PECOS SAN JUAN GILA CANADIAN CHECK TEST REQUIRED: POTABILITY: COLIFORM GROUP, MEMBRANE FILTER STANDARD PLATE COUNT FECAL COLIFORM FECAL STREPTOCOCCI Re-Sample No. Other SEND REPORT TO THE FOLLOWING (NAME & ADDRESS) MR TGO BECK MANAGER	WATER REPORT 2/1/17 288/ Date Recoived Lab No. /2:30

(over)

THE ANACONDA COMPANY WATER ANAL: SIS

DESCRIPTION	Date	Cl ppm	SO ₄	NO ₃	Na ppm	Cond umhos	рH	U-Nat pCi/l	Ra-226 pCi/l	Th-23
Jackpile P-10 Well	2-17-77	24	573	〈 1	430	1700	8.4	2.0	1.7	0.8
Jackpile New Shop Well	2-17-77	28	684	〈 1	500	2000	8.4	1.6	2.4	0.9
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			RECI	1077						
			YAM	2 - 1311						
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NFIDENTIAL		 	 	 	 		POL-FI	A01-0	005607	,

WATER PUMPED

1st QUARTER 1977

P-10 Well	1,002,000
New Shop Well	931,000
P-10 Mine	17,333,000

RECEIVED

MAY 2 - 1977

S. Geological Surve Carlsbad, N. M

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